

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
Certificate Number. 951001163

Catalogue Number	J67763
Lot Number	U28L509
Description	Hanks' Balanced Salt Solution (1X), with calcium, with magnesium, without phenol red
Quality Test/Release Date	12/Aug/2025
Suggested retest date	12/Aug/2027
Country of Origin	United States

Result Name	Units	Specifications	Test Value
Composition	mM	Calcium chloride dihydrate: 1.26 mM	1.26
Composition	mM	Dextrose/Glucose: 5.56 mM	5.56
Composition	mM	Disodium phosphate: 0.338 mM	0.338
Composition	mM	Magnesium chloride hexahydrate: 0.49 mM	0.49
Composition	mM	Magnesium sulfate: 0.41 mM	0.41
Composition	mM	Monopotassium phosphate: 0.44 mM	0.44
Composition	mM	Potassium chloride: 5.33 mM	5.33
Composition	mM	Sodium bicarbonate: 4.17 mM	4.17
Composition	mM	Sodium chloride: 137.93 mM	137.93
Composition		Water: Rest	Conforms
Appearance (Color)		Clear colorless	Clear colorless
Form		Liquid	Liquid
Method		Prepared in 18.2 megaohm water and filtered through 0.22 micron filter	Conforms
pH		7.4 ± 0.15 to 0.20	7.40 +/-0.20



Luis Perez  
Interim Director Quality, LCD

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.